

AMENDMENTS TO THE CLAIMS

1. (Canceled)
2. (Currently Amended) The device according to claim ~~77~~19, wherein the MCP comprises a plurality of tubes, which are fused together and cut to define the MCP, the tubes having lumens, which define the channels.
- 3-18. (Canceled)
19. (Currently Amended) An electrical energy storage device, comprising:
a substrate having a multiplicity of cavities formed therein, the cavities having an aspect ratio greater than one and having surface areas, the substrate comprising a microchannel plate (MCP) having channels serving as the cavities formed therein; and
thin film formed over the surface areas and defining an anode, a cathode, and a solid electrolyte disposed between the anode and the cathode, the thin films comprising a final layer, which is formed so as to fill the cavities.
20. (Original) The device according to claim 19, wherein the substrate comprises at least one of a non-conductive material, a semiconductor material and a conductive material.
21. (Previously presented) The device according to claim 19, wherein the substrate has top and bottom surfaces, and wherein the cavities are formed so as to pass through the substrate from the top to the bottom surface.
22. (Previously presented) The device according to claim 19, wherein the substrate has top and bottom surfaces, and wherein the thin films are further formed over at least one of the top and bottom surfaces.
23. (Previously presented) The device according to claim 19, wherein the thin films comprise

at least one current collector layer.

24. (Previously presented) The device according to claim 19, wherein the solid electrolyte comprises a hybrid polymer electrolyte.

25-34. (Canceled)

35. (Currently Amended) An electrical energy storage device, comprising:
a tube forming part of a microchannel plate (MCP), the tube having a channel passing
therethrough, the channel having a surface area; and
thin films formed over the surface area and defining an anode, a cathode and a solid
electrolyte disposed between the anode and the cathode.

36-37. (Canceled)

38. (Currently Amended) A microelectronic device, comprising:
a microcircuit;
a substrate having a multiplicity of cavities formed therein, the cavities having an aspect
ratio greater than one and having surface areas, the substrate comprising a microchannel plate
(MCP) having channels serving as the cavities formed therein; and
thin films formed over the surface areas and defining an anode, a cathode, and a solid
electrolyte disposed between the anode and the cathode, the thin films comprising a final layer,
which is formed so as to fill the cavities, the thin films being coupled to provide electrical power to
the microcircuit.

39. (Original) The device according to claim 38, wherein the microcircuit is disposed on the
substrate.

40-42. (Canceled)

43. (Currently Amended) The ~~device~~method according to claim 7860, wherein the MCP comprises a plurality of tubes, which are fused together and cut to define the MCP, the tubes having lumens, which define the channels.

44-59. (Canceled)

60. (Currently Amended) A method for fabricating an electrical storage cell, comprising:
providing a substrate having a multiplicity of cavities formed therein, the cavities having an aspect ratio greater than one and having surface areas, the substrate comprising a microchannel plate (MCP) having channels serving as the cavities; and
forming thin films over the surface areas so as to define an anode, a cathode and a solid electrolyte disposed between the anode and the cathode, the thin films comprising a final layer, which is formed so as to fill the cavities.

61. (Original) The method according to claim 60, wherein the substrate comprises at least one of a non-conductive material, a semiconductor material and a conductive material.

62. (Previously presented) The method according to claim 60, wherein the substrate has top and bottom surfaces, and wherein the cavities are formed so as to pass through the substrate from the top to the bottom surface.

63. (Previously presented) The method according to claim 60, wherein the substrate has top and bottom surfaces, and wherein forming the thin films further comprises forming the thin films over at least one of the top and bottom surfaces.

64. (Previously presented) The method according to claim 60, wherein the thin films comprise at least one current collector layer.

65. (Previously presented) The method according to claim 60, wherein the solid electrolyte comprises a hybrid polymer electrolyte.

66-75. (Canceled)

76. (Currently Amended) A method for fabricating an electrical storage cell, comprising:
providing a tube having a channel passing therethrough, the channel having a surface area,
the tube forming part of a microchannel plate (MCP); and
forming thin films over the surface area so as to define an anode, a cathode, and a solid electrolyte disposed between the anode and the cathode.

77-78. (Cancelled)